WHAT IS CLAIMED IS:

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that is substantially completely soluble in water at 25° C and that is film-forming in aqueous solution, the process comprising:

providing a hydroxyalkyl starch, said starch being derivatized with a hydroxyalkyl substituent having from 2 to 6 carbon atoms; and

extruding said starch in an extruder, said extruder having a barrel, a die, and at least one rotating shaft, said barrel having at least first and second zones, said first zone being upstream from said second zone, the temperature in said first zone being insufficient to gelatinize said starch and the temperature in said second zone being sufficient to gelatinize said starch, said starch being extruded in the presence of total moisture in said barrel no greater than about 25% by weight of said starch, said process including the step of controlling the rotational speed of said shaft to impart a specific mechanical energy to said starch sufficient to result in a soluble extruded starch product that is capable of extrusion through said die at said rotational speed.

- 2. A process according to claim 1, the moisture in said barrel not exceeding 22.5% by weight of said starch.
- 3. A process according to claim 1, the moisture in said barrel not exceeding 20% by weight of said starch.
- 4. A process according to claim 1, the moisture in said barrel not exceeding 17.5% by weight of said starch.
 - 5. A process according to claim 1, further comprising the step of drying said extruded starch product to a moisture content below about 15% to form a dried product.

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- 6. A process according to claim 5, said starch product being dried to a moisture content between about 9% and about 12%.
- 7. A process according to claim 6, further comprising the step of grinding said dried product.
 - 8. An extruded starch product prepared by a process comprising:

 providing a hydroxyalkyl starch, said starch being derivatized with a
 hydroxyalkyl substituent having from 2 to 6 carbon atoms; and

extruding said starch in an extruder, said extruder having a barrel, a die, and at least one rotating shaft, said barrel having at least first and second zones, said first zone being upstream from said second zone, the temperature in said first zone being insufficient to gelatinize said starch and the temperature in said second zone being sufficient to gelatinize said starch, said starch being extruded in the presence of total moisture in said barrel no greater than about 25% by weight of said starch, said process including the step of controlling the rotational speed of said shaft to impart a specific mechanical energy to said starch sufficient to result in a soluble extruded starch product that is capable of extrusion through said die at said rotational speed, said starch being substantially completely soluble in water at 25° C and being film-forming in aqueous solution.

- 9. A starch according to claim 8, said starch having a moisture content below about 15%.
- 10. A starch according to claim 8, said starch having a moisture content ranging from about 9% to about 12%.
- 11. A process for preparing a solution of an extruded starch product, 30 comprising:

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providing a hydroxyalkyl starch, said starch being derivatized with a hydroxyalkyl substituent having from 2 to 6 carbon atoms;

extruding said starch in an extruder, said extruder having a barrel, a die, and at least one rotating shaft, said barrel having at least first and second zones, said first zone being upstream from said second zone, the temperature in said first zone being insufficient to gelatinize said starch and the temperature in said second zone being sufficient to gelatinize said starch, said starch being extruded in the presence of total moisture in said barrel no greater than about 25% by weight of said starch, said process including the step of controlling the rotational speed of said shaft to impart a specific mechanical energy to said starch sufficient to result in a soluble extruded starch product that is capable of extrusion through said die at said rotational speed; and

mixing said extruded starch product with water.

12. A process according to claim 11/, the moisture in said barrel not having exceeded 22.5% by weight of said starch.

- 13. A process according to claim 11, the moisture in said barrel not having exceeded 20% by weight of said starch.
- 14. A process according to claim 11, the moisture in said barrel not having exceeded 17.5% by weight of said starch.
- 15. A process according to claim 5, said product being present in said solution in an amount ranging from 1% to 40% on a dry basis.
 - 76. A process for preparing a solution of an extruded starch product, comprising:

providing an extruded starch product, said product having been prepared by a process comprising:

providing a hydroxyalkyl starch, said starch being derivatized with a hydroxyalkyl substituent having from 2 to 6 carbon atoms;

extruding said starch in an extruder, said extruder having a barrel, a die, and at least one rotating shaft, said barrel having at least first and second zones, said first zone being upstream from said second zone, the temperature in said first zone being insufficient to gelatinize said starch and the temperature in said second zone being sufficient to gelatinize said starch, said starching being extruded in the presence of total moisture in said barrel no greater than about 25% by weight of said starch, said process including the step of controlling the rotational speed of said shaft to impart a specific mechanical energy to said starch sufficient to result in a soluble extruded starch product that is capable of extrusion through said die at said rotational speed; and

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17. A process according to claim 16, the moisture in said barrel not having exceeded 22.5% by weight of said starch.

mixing said extruded starch product with water.

- 18. A process according to claim 16, the moisture in said barrel not having exceeded 20% by weight of said starch.
 - 19. A process according to claim 16, the moisture in said barrel not having exceeded 17.5% by weight of said starch.
- 25 20. A process according to claim 16, said product being present in solution in an amount ranging from 1% to 40% on a dry basis.
 - 21. The solution formed in accordance with the process of claim 20.
- 30 22. A process for preparing a film, comprising:

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providing a solution of an extruded starch product, said starch product having been prepared by a process comprising

providing a hydroxyalkyl starch, said starch being derivatized with a hydroxyalkyl substituent having from 2 to 6 carbon atoms; and

extruding said starch in an extruder, said extruder having a barrel, a die, and at least one rotating shaft, said barrel having at least first and second zones, said first zone being apstream from said second zone, the temperature in said first zone being insufficient to gelatinize said starch and the temperature in said second zone being sufficient to gelatinize said starch, said starch being extruded in the presence of total moisture in said barrel no greater than about 25% by weight of said starch, said process including the step of controlling the rotational speed of said shaft to impart a specific mechanical energy to said starch sufficient to result in a soluble extruded starch product that is capable of extrusion through said die at said rotational speed;

said solution having been prepared by mixing said starch product with water; and

forming a film from said solution.

- 20 23. A process according to claim 22, the moisture in said barrel not having exceeded 22.5% by weight of said starch.
 - 24. A process according to claim 22, the moisture in said barrel not having exceeded 20% by weight of said/starch.
 - 25. A process according to claim 22, the moisture in said barrel not having exceeded 17.5% by weight of said starch.
- 26. A process according to claim 22, wherein said solution includes a plasticizer.

`\28.	A process for preparing a seasoning adherence solution, comprising:				
•	mixing water, an extruded starch prod	luct, and a seasoning to form a			
seaso	ning adherence solution, said extruded	d starch product having been			
forme	ed by a process comprising:				

A film formed in accordance with the process of claim 2/2

providing a hydroxyalkyl starch, said starch being derivatized with a hydroxyalkyl substituent having from 2 to 6 carbon atoms; and

extruding said starch in an extruder, said extruder having a barrel, a die, and at least one rotating shaft, said barrel having at least first and second zones, said first zone being upstream from said second zone, the temperature in said first zone being insufficient to gelatinize said starch and the temperature in said second zone being sufficient to gelatinize said starch, said starch being extruded in the presence of total moisture in said barrel no greater than about 25% by weight of said starch, said process including the step of controlling the rotational speed of said shaft to impart a specific mechanical energy to said starch sufficient to result in a soluble extruded starch product that is capable of extrusion through said die at said rotational speed.

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- 29. A process according to claim 28, the moisture in said barrel not having exceeded 22.5% by weight of said starch.
- 30. A process according to claim 28, the moisture in said barrel not having exceeded 20% by weight of said starch.
 - 31. A process according to claim 28, the moisture in said barrel not having exceeded 17.5% by weight of said starch.
- 30 32. The seasoning adherence solution prepared in accordance with claim 28.

§3.

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		providing a food substrate;	
		providing a seasoning adherence solut	ion; and
5		applying said seasoning adherence to	said food product in a manner
	effecti	ve to cause seasoning in said solution	to adhere to said food substrate;
	said so	easoning adherence solution having be	en prepared by mixing water, an
	extrud	led starch product, and a seasoning to	form said solution, said product
	having	g been formed by a process comprising:	
10		providing a hydroxyalkyl star	ch, said starch being derivatized
		with a hydroxyalkyl substituent having	g from 2 to 6 carbon atoms; and
	•	extruding said starch in an	extruder, said extruder having a
		barrel, a die, and at least one rotating	shaft, said barrel having at least
		first and second zones, said first zone	being upstream from said second
15		zone, the temperature in said first zon	ne being insufficient to gelatinize
		said starch and the temperature in sai	d second zone being sufficient to
		gelatinize said starch, said starch be	eing extruded in the presence of
		total moisture in said barrel no great	ter than about 25% by weight of
		said starch, said process including the	step of controlling the rotational
20		speed of said shaft to impart a specific	e mechanical energy to said starch
		sufficient to result in a soluble extruc	ded starch product that is capable
		of extrusion through said die at said ro	otational speed.
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	34.	A process according to claim 33, the	moisture in said barrel not having

A process for preparing a coated food product, comprising:

34. A process according to claim 33, the moisture in said barrel not having exceeded 22.5% by weight of said starch.

35. A process according to claim 33, the moisture in said barrel not having exceeded 20% by weight of said starch.

36. A process according to claim 33, the moisture in said barrel not having exceeded 17/5% by weight of said starch.